

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 02/09759

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 B66B23/22

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B66B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

PAJ, EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 04, 30 April 1996 (1996-04-30) -& JP 07 330270 A (HITACHI LTD), 19 December 1995 (1995-12-19) abstract; figures 2,3,5	1-5,8
X	PATENT ABSTRACTS OF JAPAN vol. 017, no. 628 (M-1512), 19 November 1993 (1993-11-19) & JP 05 193886 A (TOSHIBA CORP), 3 August 1993 (1993-08-03) abstract	1,6,7,9
A	----	2,3,5,8
X	DE 199 57 680 A (KONE CORP) 13 June 2001 (2001-06-13) cited in the application column 3, line 53 - line 55	1,6,7,9
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

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"&" document member of the same patent family

Date of the actual completion of the international search

10 December 2002

Date of mailing of the international search report

19/12/2002

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>PATENT ABSTRACTS OF JAPAN vol. 016, no. 026 (M-1202), 22 January 1992 (1992-01-22) &amp; JP 03 238290 A (HITACHI LTD), 24 October 1991 (1991-10-24) abstract</p> <p>-----</p>	1,4,9
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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 02/09759

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 07330270	A	19-12-1995	NONE	
JP 05193886	A	03-08-1993	NONE	
DE 19957680	A	13-06-2001	DE 19957680 A1	13-06-2001
JP 03238290	A	24-10-1991	NONE	